

Decision Points:**Technological-**

New propulsion and power options (2015; 2025)

Ability to operate in extreme environments (2015)

Crew exploration vehicle-based access to LEO (2015): mass into space and in-space assembly

Ultra-high bandwidth communications (2015)

Technology related to planetary protection (2015)

Drilling capabilities (2015)

Programmatic-

Nature of SR from X feasible or not (e.g., cryogenic comet sample return?; preserved stratigraphy; mobility)

Robust preparation for humans to Mars (2025)

Scientific-

Discovery of life elsewhere

Accessible ocean on Europa

Accessible organics on Titan

Sample return from X or not

Compelling Questions	Goals	2005-2015	2015-2025	2025-
How did we get here	Learn how Sun's family of planets-minor bodies originated			
	Determine how solar system evolved to current diverse state, including Earth's biosphere			
Where are we going	Hazards to Earth			
	Resources for human presence in space			
Are we alone	If life is or ever has been elsewhere in the solar system			